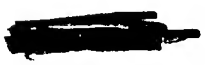
L11 ANSWER 1 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2007:74609 BIOSIS
DN PREV200700070808
TI Formation of GW bodies is a consequence of microRNA genesis.
AU Pauley, Kaleb M.; Eystathioy, Theophany; Jakymiw, Andrew; Hamel, John C.; Fritzler, Marvin J.; Chan, EdwardK. L. [Reprint Author]
CS Univ Florida, Dept Oral Biol, 1600 SW Archer Rd,POB 100424, Gainesville, FL 32610 USA
echan@ufl.edu
SO EMBO Reports, (SEP 2006) Vol. 7, No. 9, pp. 904-910.
ISSN: 1469-221X.
DT Article
LA English
ED Entered STN: 24 Jan 2007
Last Updated on STN: 24 Jan 2007

L11 ANSWER 2 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2006:438033 BIOSIS
DN PREV200600439634
TI GW bodies, MicroRNAs and the cell cycle.
AU Lian, Shangli; Jakymiw, Andrew; Eystathioy, Theophany; Hamel, John C.; Fritzler, Marvin J.; Chan, Edward K. L. [Reprint Author]
CS Univ Florida, Dept Oral Biol, POB 100424, Gainesville, FL 32610 USA
echan@ufl.edu
SO Cell Cycle, (FEB 1 2006) Vol. 5, No. 3, pp. 242-245.
ISSN: 1538-4101.
DT Article
Editorial
LA English
ED Entered STN: 6 Sep 2006
Last Updated on STN: 6 Sep 2006

L11 ANSWER 3 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2006:149142 BIOSIS
DN PREV200600152493
TI Disruption of GW bodies impairs mammalian RNA interference.
AU Jakymiw, Andrew; Lian, Shangli; Eystathioy, Theophany; Li, Songqing; Satoh, Minoru; Hamel, John C.; Fritzler, Marvin J.; Chan, Edward K. L. [Reprint Author]
CS Univ Florida, Dept Oral Biol, Gainesville, FL 32610 USA
echan@ufl.edu
SO Nature Cell Biology, (DEC 2005) Vol. 7, No. 12, pp. 1167-1174.
ISSN: 1465-7392.
DT Article
LA English
ED Entered STN: 1 Mar 2006
Last Updated on STN: 1 Mar 2006

L11 ANSWER 4 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2005:115411 BIOSIS
DN PREV200500110566
TI GW182 is critical for the stability of GW bodies expressed during the cell cycle and cell proliferation.
AU Yang, Zheng; Jakymiw, Andrew; Wood, Malcolm R.; Eystathioy, Theophany; Rubin, Robert L.; Fritzler, Marvin J.; Chan, Edward K. L. [Reprint Author]
CS Dept Oral Biol, Univ Florida, POB 100424, Gainesville, FL, 32610, USA
echan@ufl.edu

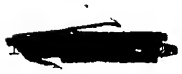


SO Journal of Cell Science, (November 1 2004) Vol. 117, No. 23, pp. 5567-5578. print.
ISSN: 0021-9533 (ISSN print).
DT Article
LA English
ED Entered STN: 23 Mar 2005
Last Updated on STN: 23 Mar 2005

L11 ANSWER 5 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2004:166976 BIOSIS
DN PREV200400169834
TI Autoantibodies to protein transport and messenger RNA processing pathways: Endosomes, lysosomes, Golgi complex, proteasomes, assemblyosomes, exosomes, and GW bodies.
AU Stinton, Laura M.; Eystathioy, Theophany; Selak, Sanja; Chan, Edward K. L.; Fritzler, Marvin J. [Reprint Author]
CS Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Calgary, 3330 Hospital Drive N.W., Calgary, AB, T2N 4N1, Canada
fritzler@ucalgary.ca
SO Clinical Immunology (Orlando), (January 2004) Vol. 110, No. 1, pp. 30-44. print.
ISSN: 1521-6616 (ISSN print).
DT Article
LA English
ED Entered STN: 24 Mar 2004
Last Updated on STN: 24 Mar 2004

L11 ANSWER 6 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2003:471255 BIOSIS
DN PREV200300471255
TI The GW182 protein colocalizes with mRNA degradation associated proteins hDcp1 and hLSm4 in cytoplasmic GW bodies.
AU Eystathioy, Theophany; Jakymiw, Andrew; Chan, Edward K. L.; Seraphin, Bertrand; Cougot, Nicolas; Fritzler, Marvin J. [Reprint Author]
CS Faculty of Medicine, University of Calgary, 3330 Hospital Dr. NW, HRB410B, Calgary, AB, T2N 4N1, Canada
fritzler@ucalgary.ca
SO RNA (Cold Spring Harbor), (October 2003) Vol. 9, No. 10, pp. 1171-1173. print.
ISSN: 1355-8382 (ISSN print).
DT Article
LA English
ED Entered STN: 15 Oct 2003
Last Updated on STN: 15 Oct 2003

L11 ANSWER 7 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2003:386085 BIOSIS
DN PREV200300386085
TI A panel of monoclonal antibodies to cytoplasmic GW bodies and the mRNA binding protein GW182.
AU Eystathioy, Theophany; Chan, Edward K. L.; Mahler, Michael; Luft, Leeanne M.; Fritzler, Mark L.; Fritzler, Marvin J. [Reprint Author]
CS Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Calgary, 3330 Hospital Dr. N.W., Calgary, AB, T2N 4N1, Canada
fritzler@ucalgary.ca
SO Hybridoma and Hybridomics, (April 2003) Vol. 22, No. 2, pp. 79-86. print.
ISSN: 1536-8599 (ISSN print).
DT Article
LA English



ED Entered STN: 20 Aug 2003
Last Updated on STN: 20 Aug 2003

L11 ANSWER 8 OF 11 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2002:310109 BIOSIS
DN PREV200200310109
TI A phosphorylated cytoplasmic autoantigen, GW182, associates with a unique population of human mRNAs within novel cytoplasmic speckles.
AU Eystathioy, Theophany; Chan, Edward K. L.; Tenenbaum, Scott A.; Keene, Jack D.; Griffith, Kevin; Fritzler, Marvin J. [Reprint author]
CS Departments of Medicine and Biochemistry and Molecular Biology, University of Calgary, Calgary, AB, T2N 4N1, Canada
echan@scripps.edu; fritzler@ucalgary.ca
SO Molecular Biology of the Cell, (April, 2002) Vol. 13, No. 4, pp. 1338-1351. print.
CODEN: MBCEEV. ISSN: 1059-1524.
DT Article
LA English
ED Entered STN: 29 May 2002
Last Updated on STN: 29 May 2002

L11 ANSWER 9 OF 11 MEDLINE on STN
AN 2005638642 MEDLINE
DN PubMed ID: 16284622
TI Disruption of GW bodies impairs mammalian RNA interference.
AU Jakymiw Andrew; Lian Shangli; Eystathioy Theophany; Li Songqing; Satoh Minoru; Hamel John C; Fritzler Marvin J; Chan Edward K L
CS Department of Oral Biology, University of Florida, Gainesville, FL 32610, USA.
NC AI39645 (NIAID)
AI47859 (NIAID)
SO Nature cell biology, (2005 Dec) Vol. 7, No. 12, pp. 1267-74. Electronic Publication: 2005-11-13.
Journal code: 100890575. ISSN: 1465-7392.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200602
ED Entered STN: 2 Dec 2005
Last Updated on STN: 8 Feb 2006
Entered Medline: 7 Feb 2006

L11 ANSWER 10 OF 11 MEDLINE on STN
AN 2003587075 MEDLINE
DN PubMed ID: 14598044
TI Clinical and serological associations of autoantibodies to GW bodies and a novel cytoplasmic autoantigen GW182.
AU Eystathioy Theophany; Chan Edward K L; Takeuchi Ken; Mahler Michael; Luft LeeAnne M; Zochodne Douglas W; Fritzler Marvin J
CS Department of Medicine, University of Calgary, 3330 Hospital Dr. N.W., Calgary, AB, T2N-4N1, Canada.
NC AI39645 (NIAID)
AI47859 (NIAID)
AR42455 (NIAMS)
SO Journal of molecular medicine (Berlin, Germany), (2003 Dec) Vol. 81, No. 12, pp. 811-8. Electronic Publication: 2003-11-04.
Journal code: 9504370. ISSN: 0946-2716.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 200408
ED Entered STN: 16 Dec 2003
Last Updated on STN: 19 Aug 2004
Entered Medline: 18 Aug 2004

L11 ANSWER 11 OF 11 MEDLINE on STN
AN 2003471100 MEDLINE
DN PubMed ID: 13130130
TI The GW182 protein colocalizes with mRNA degradation associated proteins hDcp1 and hLSm4 in cytoplasmic GW bodies.
AU Eystathioy Theophany; Jakymiw Andrew; Chan Edward K L; Seraphin Bertrand; Cougot Nicolas; Fritzler Marvin J
NC AI39645 (NIAID)
AI47859 (NIAID)
SO RNA (New York, N.Y.), (2003 Oct) Vol. 9, No. 10, pp. 1171-3.
Journal code: 9509184. ISSN: 1355-8382.
CY United States
DT Letter
LA English
FS Priority Journals
EM 200310
ED Entered STN: 10 Oct 2003
Last Updated on STN: 29 Oct 2003
Entered Medline: 28 Oct 2003

=> d his

(FILE 'HOME' ENTERED AT 15:00:51 ON 31 JAN 2007)

FILE 'BIOSIS, MEDLINE, CAPLUS, WPIDS' ENTERED AT 15:01:57 ON 31 JAN 2007
L1 56 S GLYCINE-TRYPTOPHAN AND PROTEIN
L2 5410 S GLYCINE AND TRYPTOPHAN AND PROTEIN
L3 56 S GLYCINE TRYPTOPHAN AND PROTEIN
L4 56 S (GLYCINE TRYPTOPHAN) AND PROTEIN
L5 56 S L1 AND L3 AND L4
L6 43 DUP REM L5 (13 DUPLICATES REMOVED)
L7 2 S L6 AND (ANTIBODY OR ANTIBODIES) AND (MONOCLONAL)
L8 2 S L6 AND (ANTIBODY OR ANTIBODIES)

FILE 'BIOSIS, MEDLINE, CAPLUS, WPIDS' ENTERED AT 15:17:42 ON 31 JAN 2007
E EYSTATHIOY, T/AU
L9 42 S E2 OR E1
L10 18 DUP REM L9 (24 DUPLICATES REMOVED)
L11 11 S L10 AND GW BODIES

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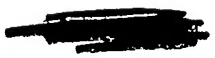
L7 ANSWER 1 OF 2 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2003:386085 BIOSIS
DN PREV200300386085
TI A panel of monoclonal antibodies to cytoplasmic GW bodies and the mRNA binding protein GW182.
AU Eystathioy, Theophany; Chan, Edward K. L.; Mahler, Michael; Luft, Leeanne M.; Fritzler, Mark L.; Fritzler, Marvin J. [Reprint Author]
CS Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Calgary, 3330 Hospital Dr. N.W., Calgary, AB, T2N 4N1, Canada
fritzler@ucalgary.ca
SO Hybridoma and Hybridomics, (April 2003) Vol. 22, No. 2, pp. 79-86. print.
ISSN: 1536-8599 (ISSN print).
DT Article
LA English
ED Entered STN: 20 Aug 2003
Last Updated on STN: 20 Aug 2003



L17 ANSWER 1 OF 8 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2006:198512 BIOSIS
DN PREV200600195200
TI Characterization of a novel cytoplasmic organelle, GW bodies, as a site of mRNA localization in normal and malignant breast cell lines and tissues.
AU Luft, L. M. [Reprint Author]; Chan, E. K. L.; Fritzler, M. J.
SO Biochemistry and Cell Biology, (DEC 2005) Vol. 83, No. 6, pp. 767. Meeting Info.: 48th Annual Meeting of the Canadian-Society-of-Biochemistry-Molecular-and-Cellular-Biology. Banff, CANADA. 200503,. Canadian Soc Biochem, Mol & Cellular Biol.
CODEN: BCBIEQ. ISSN: 0829-8211.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 22 Mar 2006
Last Updated on STN: 22 Mar 2006

L17 ANSWER 2 OF 8 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2004:166976 BIOSIS
DN PREV200400169834
TI Autoantibodies to protein transport and messenger RNA processing pathways: Endosomes, lysosomes, Golgi complex, proteasomes, assemblyosomes, exosomes, and GW bodies.
AU Stinton, Laura M.; Eystathioy, Theophany; Selak, Sanja; Chan, Edward K. L.; Fritzler, Marvin J. [Reprint Author]
CS Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Calgary, 3330 Hospital Drive N.W., Calgary, AB, T2N 4N1, Canada
fritzler@ucalgary.ca
SO Clinical Immunology (Orlando), (January 2004) Vol. 110, No. 1, pp. 30-44. print.
ISSN: 1521-6616 (ISSN print).
DT Article
LA English
ED Entered STN: 24 Mar 2004
Last Updated on STN: 24 Mar 2004

L17 ANSWER 3 OF 8 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2003:471255 BIOSIS
DN PREV200300471255
TI The GW182 protein colocalizes with mRNA degradation associated proteins hDcp1 and hLSm4 in cytoplasmic GW bodies.
AU Eystathioy, Theophany; Jakymiw, Andrew; Chan, Edward K. L.; Seraphin, Bertrand; Cougot, Nicolas; Fritzler, Marvin J. [Reprint Author]
CS Faculty of Medicine, University of Calgary, 3330 Hospital Dr. NW, HRB410B, Calgary, AB, T2N 4N1, Canada
fritzler@ucalgary.ca
SO RNA (Cold Spring Harbor), (October 2003) Vol. 9, No. 10, pp. 1171-1173. print.
ISSN: 1355-8382 (ISSN print).
DT Article
LA English
ED Entered STN: 15 Oct 2003
Last Updated on STN: 15 Oct 2003

L17 ANSWER 4 OF 8 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
AN 2003:386085 BIOSIS
DN PREV200300386085
TI A panel of monoclonal antibodies to cytoplasmic GW

bodies and the mRNA binding protein GW182.
AU Eystathioy, Theophany; Chan, Edward K. L.; Mahler, Michael; Luft, Leeanne M.; Fritzler, Mark L.; Fritzler, Marvin J. [Reprint Author]
CS Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Calgary, 3330 Hospital Dr. N.W., Calgary, AB, T2N 4N1, Canada
fritzler@ucalgary.ca
SO Hybridoma and Hybridomics, (April 2003) Vol. 22, No. 2, pp. 79-86. print. ISSN: 1536-8599 (ISSN print).
DT Article
LA English
ED Entered STN: 20 Aug 2003
Last Updated on STN: 20 Aug 2003

L17 ANSWER 5 OF 8 MEDLINE on STN
AN 2006700658 IN-PROCESS
DN PubMed ID: 17054975
TI Detection of the argonaute protein Ago2 and microRNAs in the RNA induced silencing complex (RISC) using a monoclonal antibody.
AU Ikeda Keigo; Satoh Minoru; Pauley Kaleb M; Fritzler Marvin J; Reeves Westley H; Chan Edward K L
CS Department of Oral Biology, University of Florida, 1600 SW Archer Rd., Gainesville, FL 32610-0424, USA.
NC AI44074 (NIAID)
AI47859 (NIAID)
AR07603 (NIAMS)
AR40391 (NIAMS)
AR42455 (NIAMS)
AR44731 (NIAMS)
AR50661 (NIAMS)
AR51766 (NIAMS)
M01R00082
SO Journal of immunological methods, (2006 Dec 20) Vol. 317, No. 1-2, pp. 38-44. Electronic Publication: 2006-10-04.
Journal code: 1305440. ISSN: 0022-1759.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, N.I.H., EXTRAMURAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS NONMEDLINE; IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 2 Dec 2006
Last Updated on STN: 24 Jan 2007

L17 ANSWER 6 OF 8 MEDLINE on STN
AN 2003587075 MEDLINE
DN PubMed ID: 14598044
TI Clinical and serological associations of autoantibodies to GW bodies and a novel cytoplasmic autoantigen GW182.
AU Eystathioy Theophany; Chan Edward K L; Takeuchi Ken; Mahler Michael; Luft LeeAnne M; Zochodne Douglas W; Fritzler Marvin J
CS Department of Medicine, University of Calgary, 3330 Hospital Dr. N.W., Calgary, AB, T2N-4N1, Canada.
NC AI39645 (NIAID)
AI47859 (NIAID)
AR42455 (NIAMS)
SO Journal of molecular medicine (Berlin, Germany), (2003 Dec) Vol. 81, No. 12, pp. 811-8. Electronic Publication: 2003-11-04.
Journal code: 9504370. ISSN: 0946-2716.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 200408
ED Entered STN: 16 Dec 2003
Last Updated on STN: 19 Aug 2004
Entered Medline: 18 Aug 2004

L17 ANSWER 7 OF 8 MEDLINE on STN
AN 2003471100 MEDLINE
DN PubMed ID: 13130130
TI The GW182 protein colocalizes with mRNA degradation associated proteins hDcp1 and hLSm4 in cytoplasmic GW bodies.
AU Eystathioy Theophany; Jakymiw Andrew; Chan Edward K L; Seraphin Bertrand; Cougot Nicolas; Fritzler Marvin J
NC AI39645 (NIAID)
AI47859 (NIAID)
SO RNA (New York, N.Y.), (2003 Oct) Vol. 9, No. 10, pp. 1171-3.
Journal code: 9509184. ISSN: 1355-8382.
CY United States
DT Letter
LA English
FS Priority Journals
EM 200310
ED Entered STN: 10 Oct 2003
Last Updated on STN: 29 Oct 2003
Entered Medline: 28 Oct 2003

L17 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:764048 CAPLUS
DN 145:394987
TI Autoimmune targeting of key components of RNA interference
AU Jakymiw, Andrew; Ikeda, Keigo; Fritzler, Marvin J.; Reeves, Westley H.; Satoh, Minoru; Chan, Edward K. L.
CS Department of Oral Biology, University of Florida, Gainesville, FL, 32610, USA
SO Arthritis Research & Therapy (2006), 8(4), No pp. given
CODEN: ARTRCV; ISSN: 1478-6362
URL: http://arthritis-research.com/content/pdf/ar1959.pdf
PB BioMed Central Ltd.
DT Journal; (online computer file)
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:450198 CAPLUS
DN 140:231863
TI A Panel of Monoclonal Antibodies to Cytoplasmic GW Bodies and the mRNA Binding Protein GW182
AU Eystathioy, Theophany; Chan, Edward K. L.; Mahler, Michael; Luft, Leeanne M.; Fritzler, Mark L.; Fritzler, Marvin J.
CS Department of Biochemistry and Molecular Biology, University of Calgary, Calgary, AB, Can.
SO Hybridoma and Hybridomics (2003), 22(2), 79-86
CODEN: HHYYBF; ISSN: 1536-8599
PB Mary Ann Liebert, Inc.
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ab

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
AB GW182 is a mRNA binding protein characterized by 60 repeats of glycine (G):tryptophan (W) motifs and is localized in cytoplasmic structures referred to as GW bodies (GWBs). Current evidence suggests that this unique protein plays a role in mRNA processing. To enable a more detailed study of GW182 and GWBs in cells and tissues, including their role in mRNA processing, we developed four monoclonal antibodies (MAbs) that bind the human recombinant GW182 protein. These MAbs can be used for Western blot anal. and indirect immunofluorescence (IIF) on cultured cells and tissues. Of special interest, one of the MAbs, 2D6, can be used to identify GW182 and GWBs in formalin-fixed and paraffin-embedded tissues after using an antigen retrieval method (ARM). All the MAbs described in this study immunoppt. the GW182 protein. Epitope mapping using overlapping 15-mer peptides representing the full-length GW182 showed that the major antibody-binding domains of these MAbs are distinct. These MAbs are valuable tools for cell biologists and pathologists to study the location and function of the novel GW182 protein in tissue culture cells, as well as cryopreserved or archived tissues.

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